



# Introduction to Survey123 Part 1

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# AGENDA

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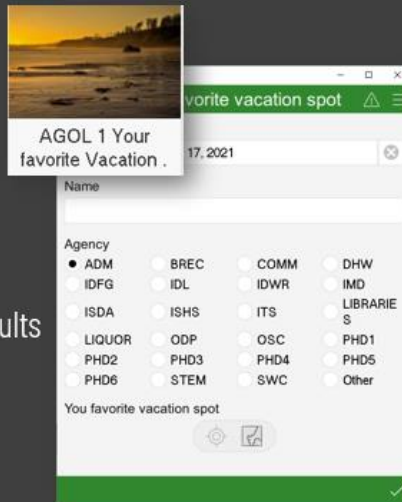
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Copy and paste the following link in your Browser:

<https://idaho.maps.arcgis.com/apps/View/index.html?appid=b5297a67fa1c48a79f0653a2295712f2>

## 1. Really, What is it?

- Create, Take and Analyze Surveys
- Form Centric
- Allows you to build in Logic
- Integrated with ArcGIS Platform
- Tools to analyze and display survey Results


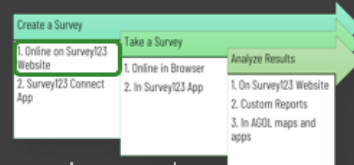


### Part 1 Survey123 Basics

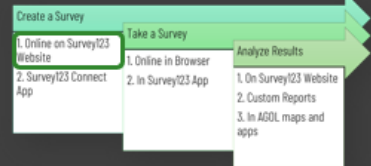
1. Really, what is it?
2. The different components of Survey123
3. Who can take your surveys? What's free and what is not?

## 2. Create a Survey online on Survey123 Website

- 1 Visit <https://survey123.arcgis.com/> and [Sign In](#) with AGOL username and password
- 2 Click on [+ New survey](#) near the top-left of your screen
- 3 Click on "Using the Web Designer"



## 2. Create a Survey online on Survey123 Website

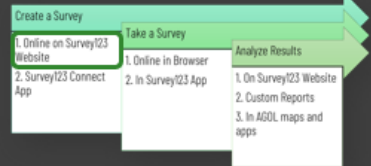


4 Provide a name, tags and summary

5 Click Create

6 Drag a Singleline Text question from the list on the right, into the surveys on the left

## 2. Create a Survey online on Survey123 Website

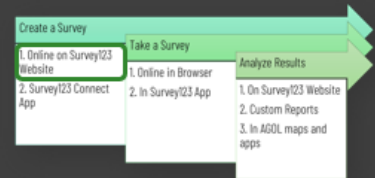


7 Set the label (i.e. "the question"), Hint and Default. Mark this as a required question

8 Add a Number question to ask someone for their age. Set it to an integer.

Caching a question will remember your answer and automatically add that answer when a user submits another survey

## 2. Create a Survey online on Survey123 Website



9 Click Save and then Publish

Save	Preview	Publish
------	---------	---------

You can set unique identifiers for each of your questions and choice items, which are useful if you want to export the collected data or use the collected data in other apps.

☐ Don't show this message again

OK

Modify schema

10 Click on Modify Schema

11 Verify you like the names and then click Publish

## 2. Create a Survey online on Survey123 Website



12 Note that you can now see your new Survey on the Survey123 Website

ArcGIS Survey123

My Surveys

My Surveys + New survey

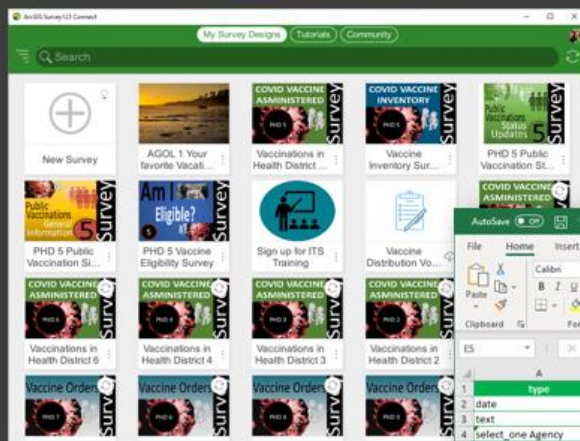
All surveys

Records: 0

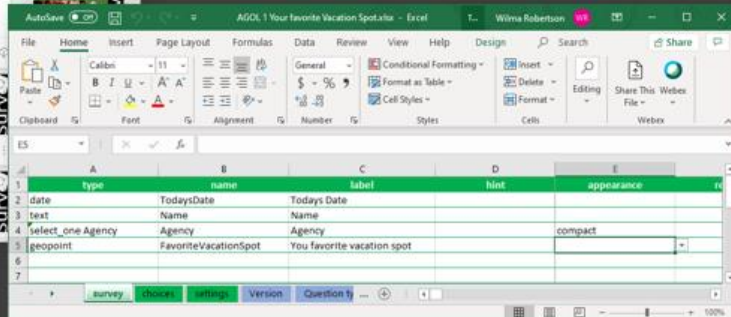
WGR My First Test Survey  
by wrobertson\_js

Icons: edit, lock, chart, list, menu

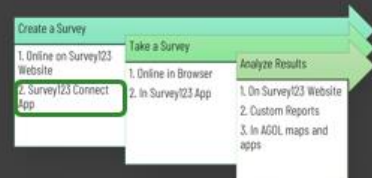
## 2. Create a Survey using Survey123 Connect



Questions are controlled in Excel Spreadsheet



13 Download and install the Survey123 Connect App if you have not already done so



Download and install the Survey123 Connect App

## 3. Who can take surveys? What's free?

### Part 1 Survey123 Basics

1. Really, what is it?
2. The different components of Survey123
3. Who can take your surveys? What's free and what is not?

**ArcGIS User Types** Building Blocks of Your Web GIS

- Viewer**: Securely Shared in Browser (\$200)
- Editor**: Securely Shared in Browser or Survey123 App (\$350)
- Field Worker**: Securely Shared in Browser or Survey123 App (\$350)
- GIS Professional**: Securely Shared in Browser or Survey123 App (\$350)
- Creator**: Need a \$500 Creator Account to Make New Surveys

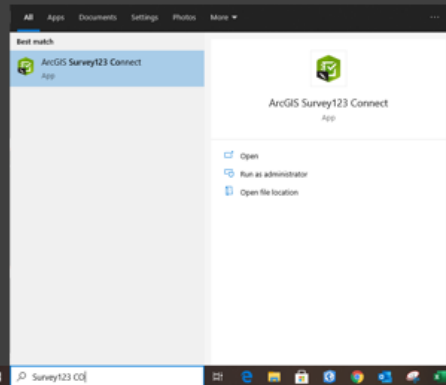
If Survey is Shared with the Public, then everyone can take survey for free (both online or in Survey123 App)

Source: Esri.com

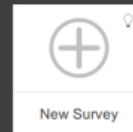


## 4. Text, Notes, Numbers and Dates: Your first Survey

- 1 Fire up the Survey123 Connect Application by typing "Survey123 Connect" in the Windows Search box. Sign in using your AGOL username and password

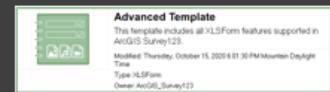


- 2 Click on New Survey
- 3 Give your Survey a Title
- 4 Click on Advanced Template



Title  
WGR My first Survey123 Connect Survey

Table name will be: WGR\_My\_first\_Survey123\_Connect\_Survey



Part 2  
Make Your First Survey

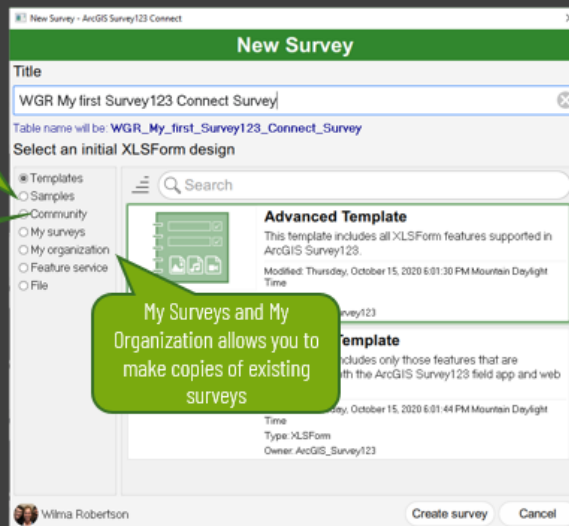
- 4. Text, Notes, Numbers and Dates
- 5. Multiple Choice Questions
- 6. Defaults and Choice Filters
- 7. Relevant questions
- 8. Calculations
- 9. Hidden and other questions
- 10. Spatial Questions
- 11. Other Question Type

## 4. The New Survey Window

Samples are a great way to learn new things in Survey123.

Check out the Templates for industry specific templates

My Surveys and My Organization allows you to make copies of existing surveys



- 5 Click on Create Survey

Part 2  
Make Your First Survey

- 4. Text, Notes, Numbers and Dates
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## 4. Survey123 Connect Overview

1. See what your form looks like. Try it out.

2. Preview structure of the table / hosted feature layer

3. Style your Survey


4. Open the Excel spreadsheet to controls all your questions

5. Files associated with the survey, for example thumb nail, tables and images

6. Refresh the preview to show most recent changes to spreadsheet and files in the media folder

7. Publish your survey

## 4. Text

- 6 Click on  to open the Excel Spreadsheet

As you can tell it already includes a couple of questions. Note how each row in the spreadsheet corresponds to one questions

- 7 Delete the existing rows in the spreadsheet

Part 2
Make Your First Survey
4. Text, Notes, Numbers and Dates
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type	name	label
text	example1	Example text question
select_one_yes_no	example2	Example select_one question



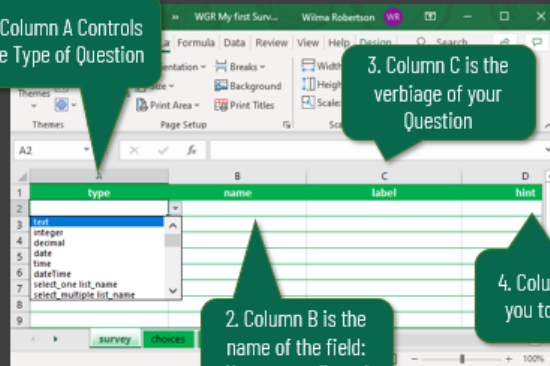
## 4. Text

1. Column A Controls the Type of Question

3. Column C is the verbiage of your Question

2. Column B is the name of the field:  
No spaces allowed

4. Column D allows you to add a hint



Do the following in row 2 in the spreadsheet:

- 8 Pick "text" from the Drop-Down list in Column A
- 9 Type "YourName" in Column B
- 10 Type "What is your name?" in Column C
- 11 Type "If you like, you can enter your nick name"

## 4. Text: L-o-n-g Text

- 11 Save your excel worksheet. What happens to the form preview in Survey123 Connect?
- 12 Add another text question on row 3. Name: "LifeStory" Label: "What is your Life Story?"
- 13 Save your spreadsheet and look at the survey preview in Survey123 Connect

### Part 2 Make Your First Survey

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What is your life story?

What is your life story?

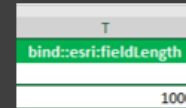
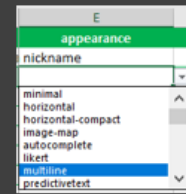
...t with I was born on a farm in the Netherlands in a little town called Middenmeer. I lived there until I went to

- Two problems:**
1. It is awkward to type a longer story on a single line
  2. I am limited to only 255 characters

## 4. Text: Really L-o-n-g Text

**Two problems:** 1. It is awkward to type a longer story on a single line  
2. I am limited to only 255 characters

- 14 Click on the drop-down in cell E3 and choose "multiline".
- 15 Save your Excel spreadsheet and see how that changed your text field in the Preview. Which of the problems did this solve?
- 16 Scroll to Column T and set the *fieldLength* property to 1000. Save your spreadsheet and look at the preview. Did we solve both problems?



### Part 2 Make Your First Survey

4. Text, Notes, Numbers and Dates
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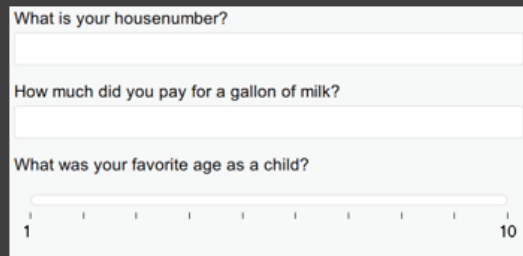
## 4. Notes

- Typically used for instructions, context or thank you's
- No place for someone to type in an answer
- Will end up in your database schema, unless you hide them

- 17 Select "note" as the type of question in row. Set the name and label to "ComingUp" and "Thank you for answering the question so far, next we are going to dive into some number questions"
- 18 Save your excel spreadsheet and see how the Note Question appears in your survey

## 4. Numbers

- 19 In row 5 click on the dropdown in column A and pick "integer" as the question type. For the name and label type "HouseNumber" and "What is your housenumber?" respectively
- 20 In row 6 create a "decimal" type question. The name is "MilkPrice" and the label is "How much did you pay for a gallon of milk?"
- 21 In row 7, create a "range" question asking what someone favorite age was as a child



What is your housenumber?

How much did you pay for a gallon of milk?

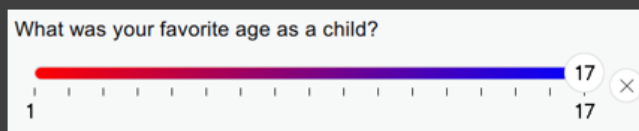
What was your favorite age as a child?

### Part 2 Make Your First Survey

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## 4. Numbers: Customize your Range

- 22 For the row with the "range question" scroll to "Parameters" (Column X)  
Type: `start=1 end=18 step=1`
- 23 You can also change the color of your range. Scroll to column V and type:  
`startColor = red endColor=blue`



What was your favorite age as a child?

Esri help documentation about ranges:  
<https://doc.arcgis.com/en/survey123d/online/create-surveys/range.htm>

### Part 2 Make Your First Survey

4. Text, Notes, Numbers and Dates
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## 4. Dates: *Today's the Day!*

### Part2 Make Your First Survey

4. Text, Notes, Numbers and Dates
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24 A Great(!!!) way to learn is to use Samples. Click on the Survey123 Connect to go back to the main screen

ArcGIS Survey123 Connect



arrow in

25 Click on the "New Survey" Button



26 Complete as shown below: add title, click on "Samples" on the left-hand side, search for "Date" and then click on "Dates and Times".

27 Click "Create"

## 4. Dates: *Today's the Day!*

### Part2 Make Your First Survey

4. Text, Notes, Numbers and Dates
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28 Open the Excel Spreadsheet associated with the survey.



29 How do you set the default time and/or date? Add the default in Column I:

- Current day is today()
- Current time is now()
- Current DateTime is now()

30 How do you style the survey to make dates look like this? (See questions at the bottom of page 1)

## 4. Dates: Today's the Day!

**Week number**  
A date question with week-number appearance

 **Week 3** 

**Year**  
A date question with year appearance

— 2021 +

**Month and year**  
A date question with month-year appearance

— January + — 2021 +

In Appearance (Column E) click the dropdown and choose:

week-number

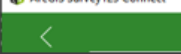
year

month-year

### Part2 Make Your First Survey

4. Text, Notes, Numbers and Dates
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31 Note that the sample survey has many more examples about how to do calculations, etc.

32 Return back to your first survey: click on the  and then select your "My First Survey123 Connect Survey"

## 4. Dates: Today's the Day!

33 Add a "date" type question. Name: "Today'sDate", label "What is the date today". Set the default to automatically pick today's date

34 Add a "time" question. Name: "CurrentTime", label "What time is it". Set to default to automatically pick the time right now

Recall:

- Current day is today()
- Current time is now()
- Current DateTime is now()

### Part2 Make Your First Survey

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## 4. Text, Notes, Numbers and Dates: *It's Required!*

Carefully consider which questions are required, and which ones are optional.

Don't want to miss crucial information ←

→ Don't want to frustrate people if they can't answer required questions

- 35 Whether a question is required is controlled in Column F "required". Make the "What is your name?" required by click on the drop-down in cell F2 and selecting "yes".
- 36 The "required message" in Column G is optional but may help people understand what you are looking for, or what type of information you are expecting. Type "We really need your name to process this properly" (without the quotes) in column G
- 37 Save your excel spreadsheet and try it out

What is your name? \*

## 5. Multiple Choice Questions: *Select One Answer*

- 38 On the next row in the spreadsheet select question type "select\_one" and then type in "color"

10 select\_one color

- 39 "color" is the name of the list that contains all the possible colors you want people to choose from. All the lists can be found on the "Choices" tab (look near the bottom of your screen)

survey choices settings

- 40 Type in the different colors as follows:

10 select\_one color

Names must match

	A	B	C
1	list_name	name	label
2	yes_no	yes	Yes
3	yes_no	no	No
11	color	red	red
12	color	green	green
13	color	blue	blue
14	color	yellow	yellow
15	color	purple	purple
16	color	rust brown	rust brown

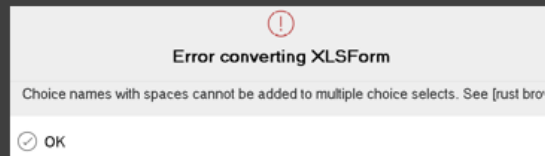
- 41 Save your spreadsheet and look at the survey preview in Survey123 Connect

## 5. Multiple Choice Questions: *Select Multiple Answers*

- 42 Add a new question, this one with type "select\_multiple". Pick again from the color list.

11 select\_multiple color PickMultipleColors Pick multiple colors

- 43 Save your spreadsheet and see what happens....



- 44 Unlike "select\_one" questions, the "select\_multiple" does not allow for spaces in the names of the answers. Go back to the choices sheet and change the name for "rust brown" to "rust\_brown"

	A	B	C
1	list_name	name	label
16	color	rust_brown	rust brown

- 45 Save your spreadsheet and see what happens....

## 5. Multiple Choice Questions: *It's about Appearances*

default Agency

☐ ADM

☐ BREC

☐ COMM

☐ DHW

☐ IDFG

☐ IDL

☐ IDWR

☐ IMD

☐ ISDA

☐ ISHS

☐ ITS

☐ LIBRARIES

☐ LIQUOR

Minimal or autocomplete

Agency

☐ ADM

☐ BREC

☐ COMM

☐ DHW

☐ IDFG

Horizontal or horizontal compact

Agency

☐ ADM ☐ BREC ☐ COMM ☐ DHW ☐ IDFG

☐ IDL ☐ IDWR ☐ IMD ☐ ISDA ☐ ISHS

☐ ITS ☐ LIBRARIES ☐ LIQUOR ☐ ODP ☐ OSC

☐ PHD1 ☐ PHD2 ☐ PHD3 ☐ PHD4 ☐ PHD5

☐ PHD6 ☐ STEM ☐ SWC ☐ Other

Likert

Agency

ABCDIIIIIIUOOPPPPPSSO

DROHDDMSSTBQDSHHHHHTWth

MEMWFLWDDHSRUPCDDDDDECer

CMGRASAO123456M

RR

II

ES

Part2  
Make Your First Survey

- 4. Text, Notes, Numbers and Dates
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- 46 Try out the appearance types for your colors question by using the dropdown in column E. Which one do you like best?



## 6. Defaults and Choice Filters: Defaults first

47 Recall that we already added a default date and time

48 Go back to column I and add a default for price of gallon of milk, favorite age and favorite color

	type	name	label	hint	default
6	decimal	MilkPrice	How much did you pay for a gallon of milk?		2.19
7	range	FavoriteAge	What was your favorite age as a child?		17
8	date	Today's Date	What is the date today?		
9	time	CurrentTime	What time is it?		
10	select_one color	PickOneColor	Pick one color		rust, brown
11	select_multiple color	PickMultipleColors	Pick multiple colors		yellow, green

1. Simply type the default number you want

2. For select\_one or select\_multiple questions type in the Name (not the Label)

3. For select\_multiple you can add multiple default answers. Just separate with a comma

## 6. Choice Filters: Making your Choices Manageable

49 Add a question above the select\_one question. Type = 'select\_one colorPreference', Name = ColorPreference, Label = Do you prefer dark or light colors?

50 Add the colorPreference list to the Choices tab. The answers in the list are "light" and "dark"

18	colorPreference	light	light
19	colorPreference	dark	dark

51 Remove the default colors in column I for both the select\_one and Select\_multiple questions

	type	name	label	hint	default
10	select_one colorPreference	ColorPreference	Do you prefer dark or light colors?		
11	select_one color	PickOneColor	Pick one color		
12	select_multiple color	PickMultipleColors	Pick multiple colors		

### Part 2

#### Make Your First Survey

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## 6. Choice Filters: Making your Choices Manageable

- 52 Next, on the choices tab we will divide the colors between light and dark color shades. On the choices tab, in cell I F type "colorshade".
- 53 Then, in column F, type light or dark for each color. The descriptions "light" and "dark" must match the choices in the colorPreference exactly

	list_name	name	label	image	label::language (xx)	colorshade
11	color	red	red			dark
12	color	green	green			dark
13	color	blue	blue			dark
14	color	yellow	yellow			light
15	color	purple	purple			dark
16	color	rust_brown	rust brown			light
17						
18	colorPreference	light	light			
19	colorPreference	dark	dark			

### Part 2 Make Your First Survey

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## 6. Choice Filters: Making your Choices Manageable

- 54 In column N - Choice Filter for the row with the select\_one color question type  $\{ColorPreference\} = colorshade$

	type	name	label	hint	choice_filter
10	select_one colorPreference	ColorPreference	Do you prefer dark or light colors?		
11	select_one color	PickOneColor	Pick one color		$\{ColorPreference\} = colorshade$

$\{ColorPreference\} = colorshade$

Any time you see  $\{ \}$  it means grab the current value of the parameter inside those curly brackets. So here: "Grab the current ColorPreference the user provided in the previous question"

	list_name	name	label	image	label::language (xx)	colorshade
11	color	red	red			dark
12	color	green	green			dark
13	color	blue	blue			dark
14	color	yellow	yellow			light
15	color	purple	purple			dark
16	color	rust_brown	rust brown			light
17						
18	colorPreference	light	light			
19	colorPreference	dark	dark			

Ahh, I see the user prefers "light". Wow, let me check the colorshade list and only give the user the light colors to choose from. That'll be yellow and rust brown.



## 7. Relevant Questions

- 55 Add "Other" to the list\_color list twice. Once for the folks that like dark colors, and once for those that like light colors.

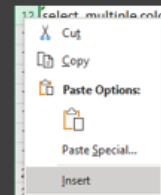
	A	B	C	D	E	F
1	list_name	name	label	image	label::language (xx)	colorshade
11	color	red	red			dark
12	color	green	green			dark
13	color	blue	blue			dark
14	color	yellow	yellow			light
15	color	purple	purple			dark
16	color	rust_brown	rust brown			light
17	color	Other	Other			dark
18	color	Other	Other			light

- 56 When the user picks other, we want to have another question pop up that asks them what that other color is.

- 57 Below the select\_one color question insert an empty row (hint, right click on the number to the left of the select multiple question and choose "Insert")

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## 7. Relevant Questions

- 58 Add the following question: Type = text, Name = OtherColor, Label = What other color do you like?

- 59 We only want this question to appear when the user selected "Other" in the previous question. We set that in Column M, the relevant column. Type in:  $\{PickOneColor\} = "Other"$

	A	B	C	D	M
1	type	name	label	hint	relevant
11	select_one color	PickOneColor	Pick one color		
12	text	OtherColor	What other color do you like?		$\{PickOneColor\} = "Other"$



I see, the user filled the "PickOneColor" question up with the answer "Other". Well, that makes it relevant, and now I need ask "What other color do you like?"

Do you prefer dark or light colors?

- light
- dark

Pick one color

- yellow
- rust brown
- Other

What other color do you like?

## 7. Relevant Questions: Select Multiple

- 60 Next, you have some follow up questions for people that picked yellow and/or red in the select multiple question. Add a new question below the select\_multiple question: type = text, Name = WhyRedOrYellow and Label = What is your favorite red or yellow object?
- 61 Obviously, we only want this question displayed when someone picks yellow in the select\_multiple question. First try setting the relevance to  $\${PickMultipleColors}="yellow"$
- 62 To check for both red and yellow add the following:  
 $\${PickMultipleColors}="yellow"$  or  $\${PickMultipleColors}="red"$
- 63 Notice it will show the extra question when you select either color, but not both. Change the relevance to  $selected(\${PickMultipleColors},'yellow')$  or  $selected(\${PickMultipleColors},'red')$

[A good reference with functions](#)

## 8. Calculations: Math with numbers

- 64 Add the following 8 questions

15	integer	Int1	Pick an integer number
16	integer	Int2	Pick another integer number
17	decimal	Decimal1	Pick a decimal number
18	text	FirstName	Type in the first name of a famous person
19	text	LastName	Type in the last name of a famous person
20	integer	AddBothIntegers	Both integers added up
21	decimal	IntegerPlusDecimal	Integer Plus the Decimal
22	text	FamousPerson	The whole name of the famous person



Grab whatever the user put in the "Int1" field, and add that to whatever the user put in the "Int2" field

- 65 Scroll to Column J to for the "AddBothIntegers" question and enter the following Calculation:

$\${Int1} + \${Int2}$

## 8. Calculations: Math with numbers

66

You can add integers and decimals, the result will be a decimal by default

67

For the "IntegerPlusDecimal" question add the following calculation:

$\${Int1} + \${Decimal1}$

If you like the result rounded to an integer consult the [A good reference with functions](#) It states to use `int(${question_one})`

68

Replace  $\${Int1} + \${Decimal1}$  with `int(${Int1} + ${Decimal1})`

15	integer	Int1	Pick an integer number
16	integer	Int2	Pick another integer number
17	decimal	Decimal1	Pick a decimal number
18	text	FirstName	Type in the first name of a famous person
19	text	LastName	Type in the last name of a famous person
20	integer	AddBothIntegers	Both integers added up
21	decimal	IntegerPlusDecimal	Integer Plus the Decimal
22	text	FamousPerson	The whole name of the famous person

## 8. Calculations: Math with Text?

15	integer	Int1	Pick an integer number
16	integer	Int2	Pick another integer number
17	decimal	Decimal1	Pick a decimal number
18	text	FirstName	Type in the first name of a famous person
19	text	LastName	Type in the last name of a famous person
20	integer	AddBothIntegers	Both integers added up
21	decimal	IntegerPlusDecimal	Integer Plus the Decimal
22	text	FamousPerson	The whole name of the famous person

69

For the last calculation we want to put the full name of the famous person for the "FamousPerson" question. In column J, type the following for the calculation:

$\${FirstName} + " " + \${LastName}$

## 9. Hidden Questions and Hidden Answers

	Show in Survey?	Show in Results?				
What is the first name?	✓					
What is the last name?	✓		18	text	FirstName	Type in the first name of a famous person
What is the full name?		✓	19	text	LastName	Type in the last name of a famous person
			22	text	FamousPerson	The whole name of the famous person

70 To hide the full name of the famous person change the question type from "text" (in Column A) to "hidden"

71 We still need to let Survey123 know what data type can be found for this question: select esriFieldTypeString in Column S

	type	name	label	hint	bind:esriFieldType
20	hidden	FamousPerson	The whole name of the famous person		
21	integer	AddBothIntegers	Both integers added up		esriFieldTypeDate
22	decimal	IntegerPlusDecimal	Integer Plus the Decimal		esriFieldTypeSingle
23	text	Yeah	Yeah!		esriFieldTypeDouble
24	geopoint	PointLocation	Your Favorite Spot		esriFieldTypeInteger
25					esriFieldTypeSmallInteger
26					esriFieldTypeString
					esriFieldTypePointZ
					esriFieldTypeGUID

## 9. Hidden Questions and Hidden Answers

	Show in Survey?	Show in Results?				
What is the first name?	✓					
What is the last name?	✓					
What is the full name?		✓				
			18	text	FirstName	Type in the first name of a famous person
			19	text	LastName	Type in the last name of a famous person
			22	text	FamousPerson	The whole name of the famous person

72 Next, we want to hide the answers to the "FirstName" and "LastName" to **not** show up in the results. For both questions scroll to the right and find the "bind:esriFieldType" field. Type "null"

	type	name	label	hint	bind:esriFieldType
18	text	FirstName	Type in the first name of a famous person		null
19	text	LastName	Type in the last name of a famous person		null

FirstName	string	255
LastName	string	255
FamousPerson	string	esriFieldTypeStr... 255

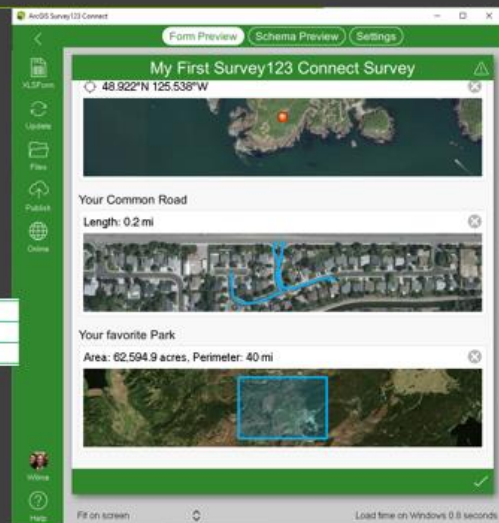
## 10. Finally! Spatial Questions



73 Add the following three questions:

24	geopoint	PointLocation	Your Favorite Spot
25	geotrace	TraceLocation	Your Common Road
26	geoshape	ShapeLocation	Your favorite Park

74 Save your worksheet and Try it out



## 11. Other Question Types

75 Next, we will add some Image questions. Add the following questions:

	type	name	label	hint	appearance
27	image	Picture1	Take a picture		
28	image	Picture2	Take another picture		draw
29	image	Picture3	Take one more picture		annotate

Take a picture



Take another picture



Take one more picture



### Part 2 Make Your First Survey

4. Text, Notes, Numbers and Dates
5. Multiple Choice Questions
6. Defaults and Choice Filters
7. Relevant questions
8. Calculations
9. Hidden and other questions
10. Spatial Questions
11. Other Question Type



## 11. Other Question Types

76

Go to the question types tab

survey

choices

settings

Version

Question types

Appearances

Question type	Description	Field app	Web app
Text	Free text response.	Yes	Yes
Integer	Integer (i.e. whole number) input.	Yes	Yes
Decimal	Decimal input.	Yes	Yes
Date	Date input.	Yes	Yes
Time	Time input.	Yes	Yes
DateTime	Date and time input.	Yes	Yes
Select, one list_name	Multiple choice question; only one answer can be selected. Replace 'list_name' with the name of your choice list on the choices sheet.	Yes	Yes
Select, multiple list_name	Multiple choice question; multiple answers can be selected. Replace 'list_name' with the name of your choice list on the choices sheet.	Yes	Yes
Rank list_name	Ranking question; enter a list of choices. Replace 'list_name' with the name of your choice list on the choices sheet.	Yes	Yes
Range	Input for a given range of numbers.	Yes	Yes
Note	Display a note on the form. Takes no input.	Yes	Yes
Geopoint	Collect a point on a map.	Yes	Yes
Geotrace	Collect a path on a map.	Yes	Yes
Image	Take a picture.	Yes	Yes
Audio	Record an audio sample.	Yes	Yes
File	Attach a file.	Yes	Yes
Barcode	Scan a barcode or a QR code.	Yes	Yes
Begin group	Begin a group of questions.	Yes	Yes
End group	End a group of questions.	Yes	Yes
Begin repeat	Begin a set of repeating questions.	Yes	Yes
End repeat	End a set of repeating questions.	Yes	Yes
Calculate	Perform a calculation on values in the form. The calculate field will contain the outcome of the calculation. This is a hidden field, not visible on the form.	Yes	Yes
Hidden	Create a field in the future layer that will not be displayed on the form. Use the form_id, form_title, and form_id columns to specify the data schema for this field.	Yes	Yes
Username	When signed in to an ArcGIS organization, this field is automatically populated with the account username. This is a hidden field, not visible on the form.	Yes	Yes
Email	When signed in to an ArcGIS organization, this field is automatically populated with the account email address. This is a hidden field, not visible on the form.	Yes	Yes
Start	Start date and time of the survey. This is a hidden field, not visible on the form.	Yes	Yes
End	End date and time of the survey. This is a hidden field, not visible on the form.	Yes	Yes
Device	UUID representing the specific device the survey was taken on. This is a hidden field, not visible on the form.	Yes	Yes

Audio (take recording)

File (allow attachments)(survey123 2)

Barcode

Begin group / End Group (Survey123 2)

Begin repeat / End Repeat (Survey123 2)

Part 2

Make Your First Survey

4. Text, Notes, Numbers and Dates

5. Multiple Choice Questions

6. Defaults and Choice Filters

7. Relevant questions

8. Calculations

9. Hidden and other questions

10. Spatial Questions

11. Other Question Type

## 12. Style your Survey: Survey Header

1 Go the Settings tab

2 Replace "Survey Title Not Set" with "My First Survey123 Connect Survey"

3 Save your spreadsheet

survey

choices

settings

	A	B
1	form_title	form_id
2	My First Survey123 Connect Survey	

ArcGIS Survey123 Connect

Form Preview Schema Preview Settings

My First Survey123 Connect Survey

What is your name? \*

If you like you can enter a nickname

What is your life story?

XLForm

Update

Files

Publish

Part 3

Settings

12. Style your Survey

13. Map settings

14. Other Settings

15. Publishing Your Survey

16. Sharing Your Survey

## 12. Style your Survey: Font color and sizes

### Part 3 Settings

- 12. Style your Survey
- 13. Map settings
- 14. Other Settings
- 15. Publishing Your Survey
- 16. Sharing Your Survey

You can use html tags to format your questions:

```
<b> Your Text </b>
<i> Your Text </i>
<font size=14> Your Text </font>
<font color='green'> Your Text </font>
<font color='green'> Your <b>Text </b> </font>
```

- 4 Change the label for the note in row 4 to:

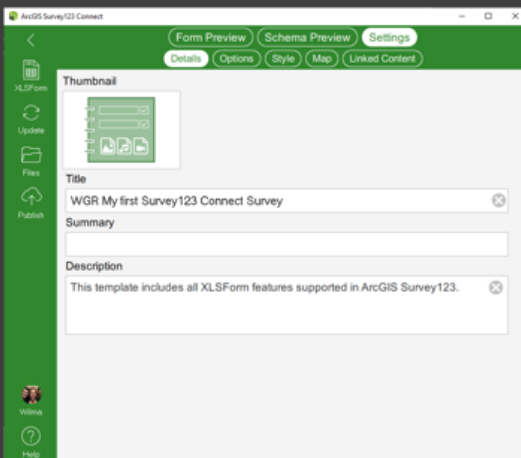
```
<font color = 'blue'> Thank you for answering the questions so far </font>
next we are going to <i> dive into </i> some <font color='green'> numbers
questions </font>
```

Thank you for answering the questions so far next we are going to *dive into* some numbers questions

## 12. Style your Survey: Background

### Part 3 Settings

- 12. Style your Survey
- 13. Map settings
- 14. Other Settings
- 15. Publishing Your Survey
- 16. Sharing Your Survey



- 5 Click on Setting along the top

- 6 Note that a sub-menu appeared with multiple options for settings

- 7 Click on the Thumbnail. Select the crash\_test\_dummy.jpg file to set the new thumbnail.

1. If the image does not stick, make sure that it is saved as ".jpg" or ".png" rather than ".JPG" or ".PNG"
2. The image is now stored in the Media folder



## 12. Style your Survey: Toolbars and Text Theme

### Part 3 Settings

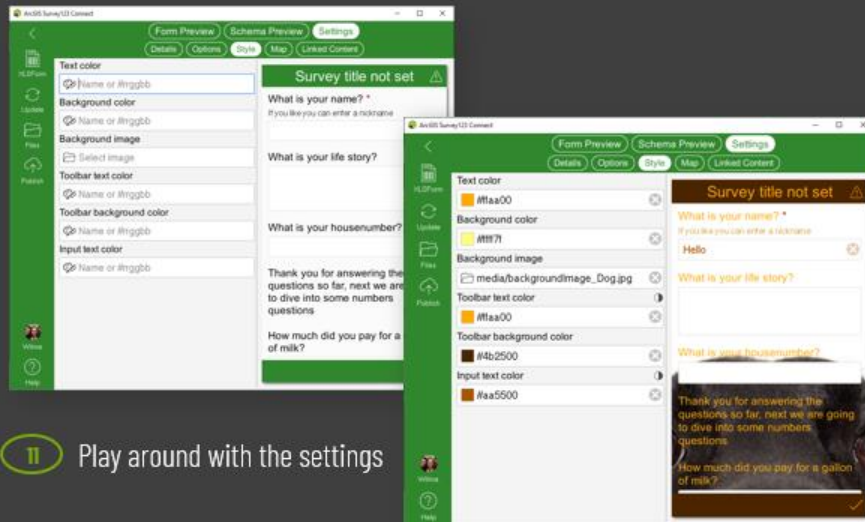
12. Style your Survey

13. Map settings

14. Other Settings

15. Publishing Your Survey

16. Sharing Your Survey



11 Play around with the settings

## 13. Map Settings

### Part 3 Settings

12. Style your Survey

13. Map settings

14. Other Settings

15. Publishing Your Survey

16. Sharing Your Survey

12 Play around with the settings



4. Pick coordinate formatting (e.g., Decimal Degrees)

1. Default zoom level for the little map inside Survey

2. Map is centered on those coordinates

3. Set the default base map



Zoom level = 10



Zoom level = 19

## 14. Other Settings: Boxes

### Part 3 Settings

- 12. Style your Survey
- 13. Map settings
- 14. Other Settings
- 15. Publishing Your Survey
- 16. Sharing Your Survey

### 13 Play around with the settings

4. Recommend you always check for latest updates

Warning: it is not recommended to have a Sent and an Inbox since they may get out of sync

1. You can refresh and bring in all submitted surveys - which you can then call up and edit

2. Collected, but not send yet. For example, when you are waiting to get to a Wi-Fi spot

3. Surveys submitted from this device

## 15. Publishing your survey

### Part 3 Settings

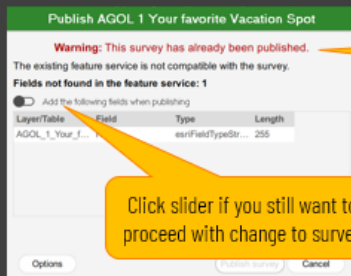
- 12. Style your Survey
- 13. Map settings
- 14. Other Settings
- 15. Publishing Your Survey
- 16. Sharing Your Survey

14 Click on  to publish your survey

Delete Geotrace and Geoshape questions. Keep the Geopoint

## 15. Publishing your survey: Oh Oh!

If you were to add or remove questions you would get the following warning:



Click slider if you still want to proceed with change to survey



Not an idle threat. You WILL lose all collected data!!!

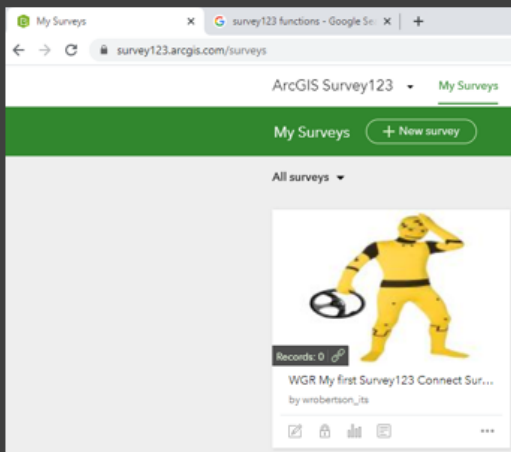
### Tips:

- Spend sufficient time up front so that changes afterwards are not needed
- If changes are needed: download and save all collected information, and copy back in afterwards (works, except for pictures – those are a pain!)
- Create a copy of the survey, and collect remainder of info in the new survey

### Part 3 Settings

- 12. Style your Survey
- 13. Map settings
- 14. Other Settings
- 15. Publishing Your Survey
- 16. Sharing Your Survey

## 16. Sharing your Survey



- 15 Open a browser and go to <https://survey123.arcgis.com/>
- 16 Sign in using your AGOL credentials
- 17 Click on the thumbnail for the survey
- 18 Click on Collaborate



Overview Design Collaborate Analyze Data Settings

### Part 3 Settings

- 12. Style your Survey
- 13. Map settings
- 14. Other Settings
- 15. Publishing Your Survey
- 16. Sharing Your Survey

## 16. Sharing your Survey

### Part 3 Settings

12. Style your Survey

13. Map settings

14. Other Settings

15. Publishing Your Survey

16. Sharing Your Survey

19 Click on Share survey and choose you want to share with

20 Note the link to take survey in a browser and instructions for taking it in Survey123 App

## 16. Sharing your Survey

### Part 3 Settings

12. Style your Survey

13. Map settings

14. Other Settings

15. Publishing Your Survey

16. Sharing Your Survey

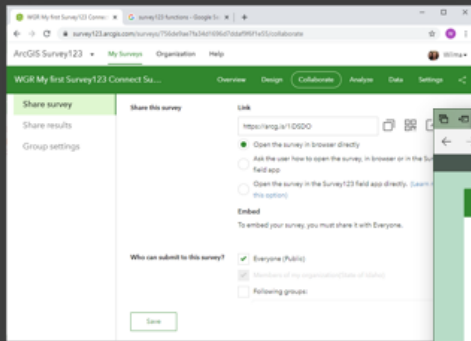
21 Go to the Share results menu on the left-hand side of the screen and set who can see the results of your survey

## 17. Taking Surveys: Online in a Browser

### Part 4 Taking Surveys

17. Online in a Browser

18. In the Survey123 App



1 Take a look at your survey in the browser. Take 1-2 surveys

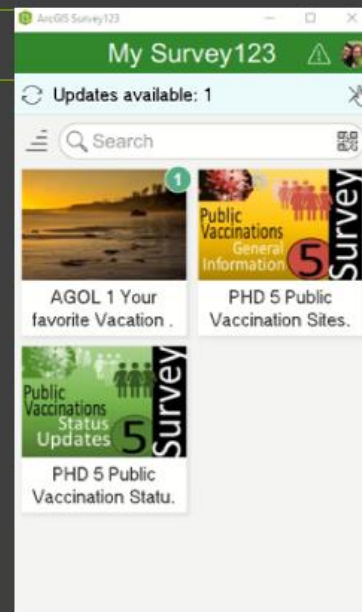
## 18. Taking Surveys: in the Survey123 App

### Part 4 Taking Surveys

17. Online in a Browser

18. In the Survey123 App

2 Take a look at your survey in the Survey123 App. Take 2-3 surveys

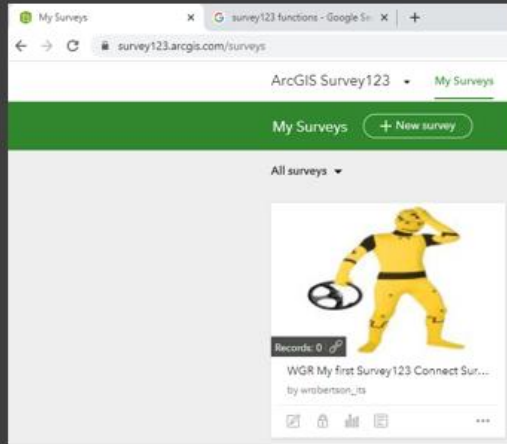




## 19. Explore the Survey Results: *Analyze it*

### Part 5 Survey123 Results

- 19. Explore Survey Results
- 20. Create a Report
- 21. Other ways to share



- 1 Open a browser and go to <https://survey123.arcgis.com/>
- 2 Click on the thumbnail for the survey
- 3 Click on Analyze

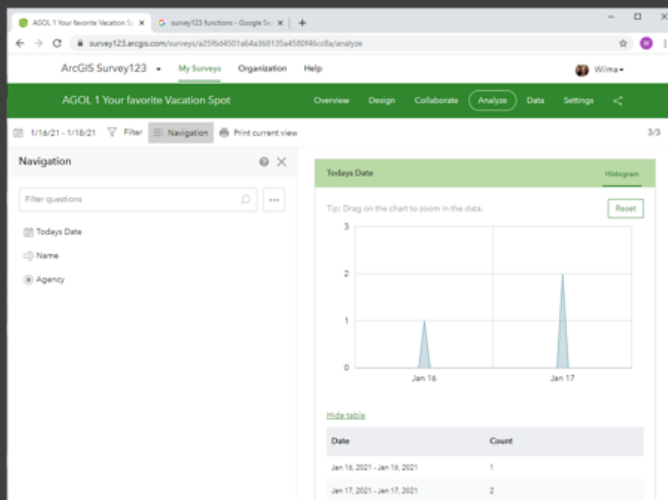


Overview Design Collaborate **Analyze** Data Settings

## 20. Explore the Survey Results: *Analyze it*

### Part 5 Survey123 Results

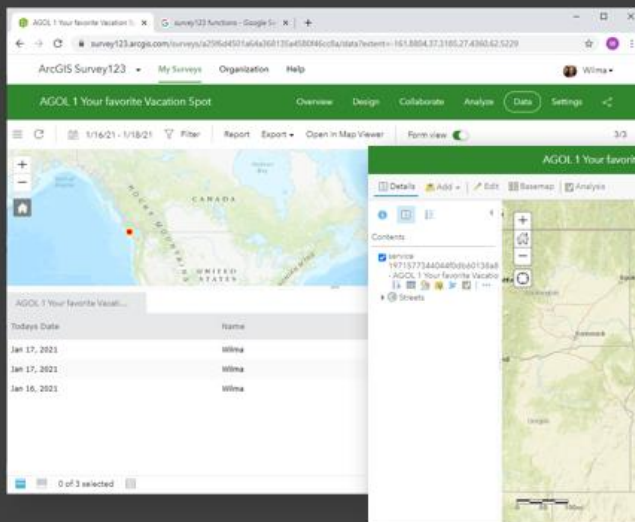
- 19. Explore Survey Results
- 20. Create a Report
- 21. Other ways to share



- 4 Scroll down to explore what your results look like

## 21. Explore the Survey Results: **View Data**

### Part 5 Survey123 Results



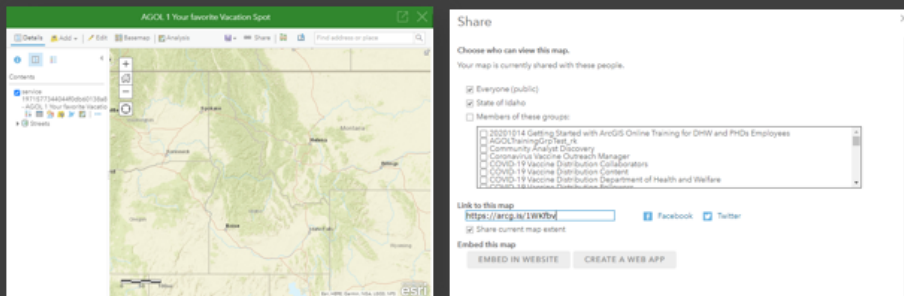
5 Click on Data along the top of the screen

- 19. Explore Survey Results
- 20. Create a Report
- 21. Other ways to share

6 Click on Open in Map Viewer

## 21. Explore the Survey Results: **create a web app**

### Part 5 Survey123 Results



7 Click on Open in Map Viewer

8 Click on Save and provide the needed title, description and tags

9 Click on Share and then click on "Create a Web App"

- 19. Explore Survey Results
- 20. Create a Report
- 21. Other ways to share

## 21. Explore the Survey Results: **Web App**



### Part 5 Survey123 Results

19. Explore Survey Results

20. Create a Report

21. Other ways to share

- 10 Click on 
- 11 Scroll down and click on Get Started
- 12 Click on Save and then click on Launch

 Launch |  Previews |  Save

Check out all the classes and their descriptions [here](#)